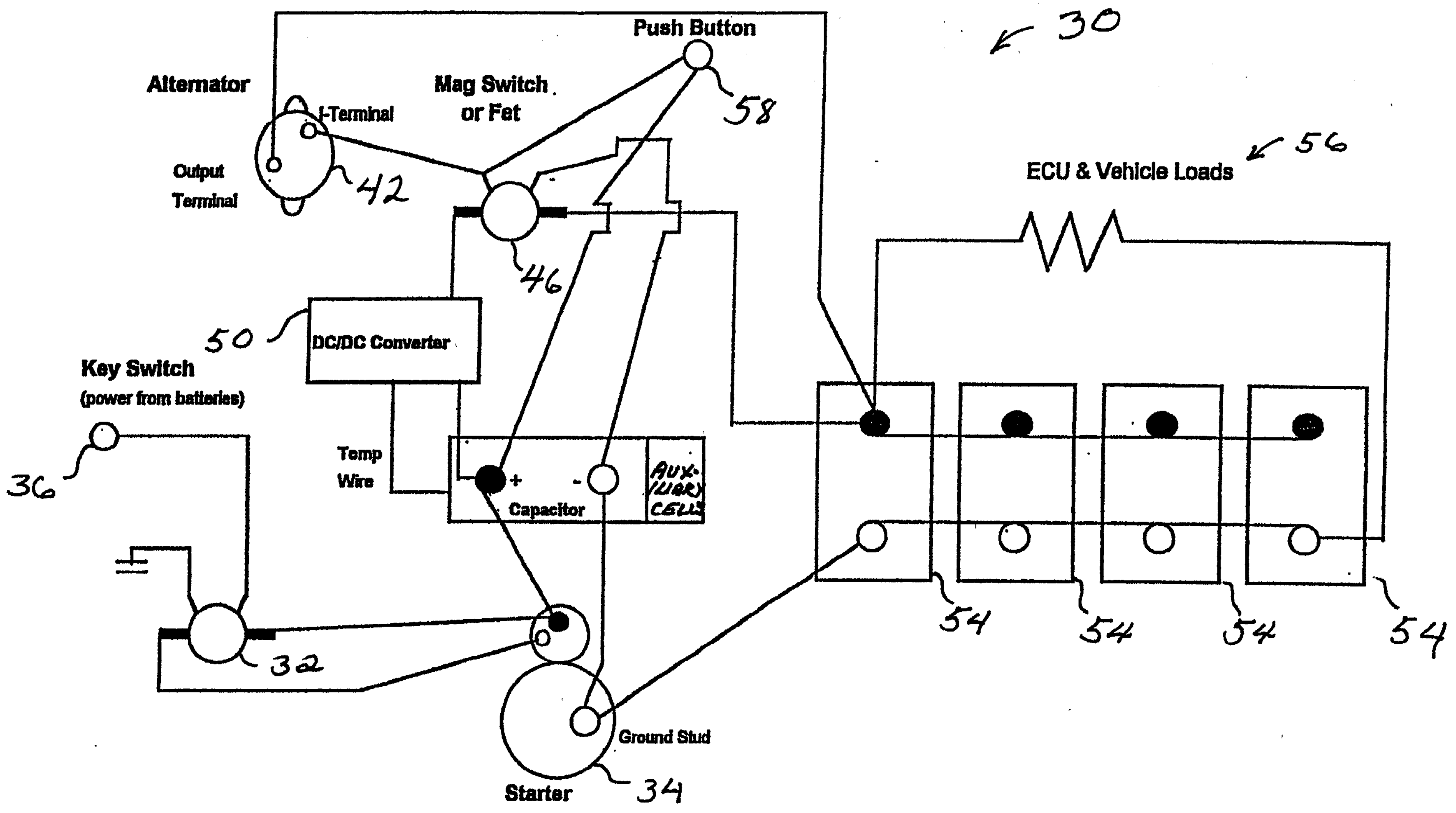

30
Push Button
58
Alternator
I-Terminal
Output Terminal
42
Mag Switch or Fet
46
56
ECU & Vehicle Loads
50
DC/DC Converter
Key Switch (power from batteries)
36
Temp Wire
+
-
Capacitor
AUX-ILIARY CELLS
54
54
54
54
32
Ground Stud
Starter
34

Fig. 1.

CAPACITOR POWER FORMULA: $P = \frac{1}{2} C (V^2)$

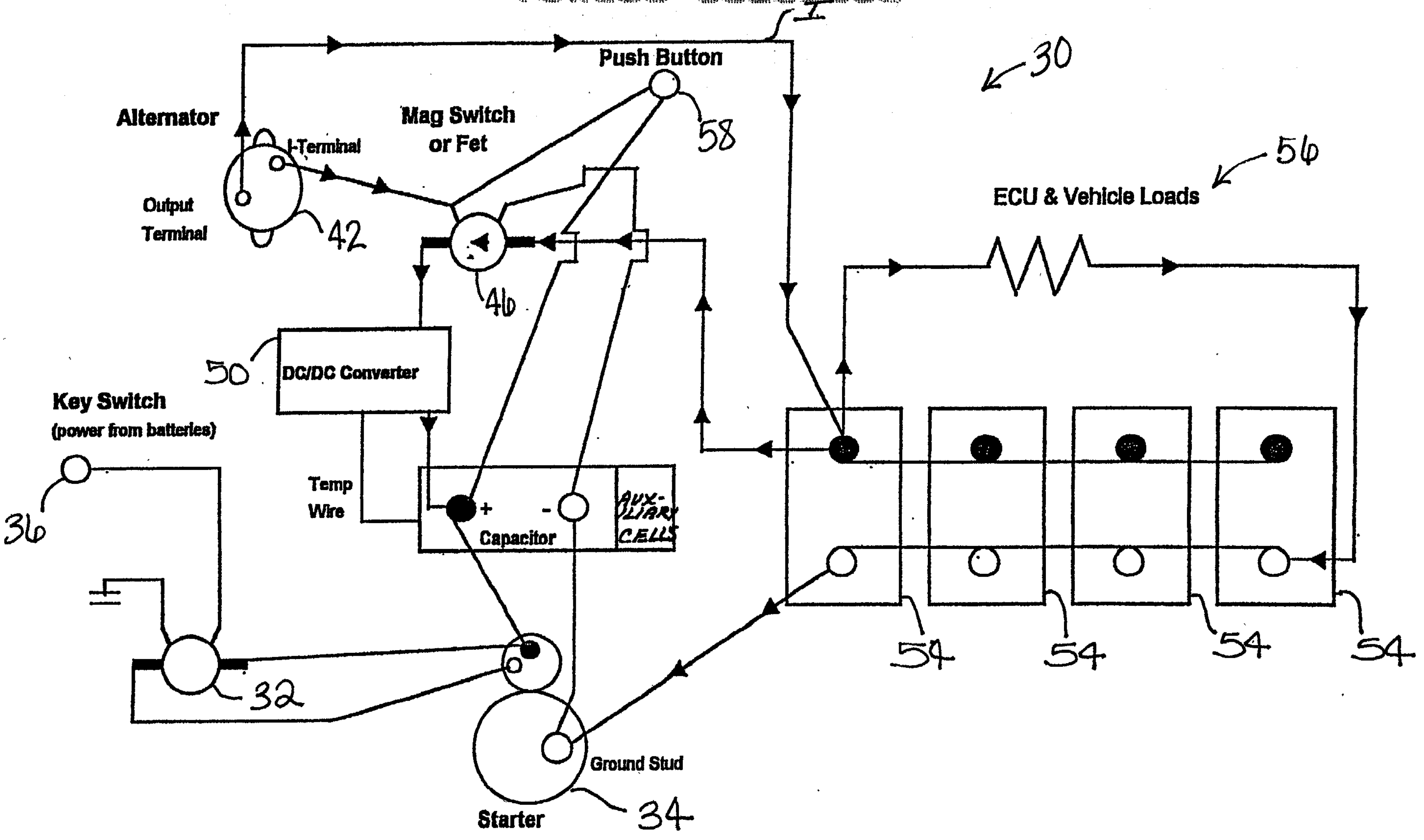
Normal Capacitor -

	11.80	30 x 139	=	4170
	12.3	30 x 151	=	4530
	12.7	30 x 161	=	4830
	14.0	30 x 196	=	5880
MAX.	14.3	30 x 204	=	6120
Enhanced-				
MIN.	15.3	30 x 234	=	7020
	16.0	30 x 256	=	7680
	16.5	30 x 272	=	8160
	17.0	30 x 289	=	8670

Fig. 2

$$P = \begin{cases} > 0 \; if \;\; engine\ on \,/\, alternator\ engaged \\ = 0 if \;\; engine\ off \,/\, starter\ disengaged \\ < 0 if \;\; engine\ off \,/\, starter\ engaged \end{cases}$$

Fig. 3


I
Push Button
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Alternator
I-Terminal
Mag Switch
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DC/DC Converter
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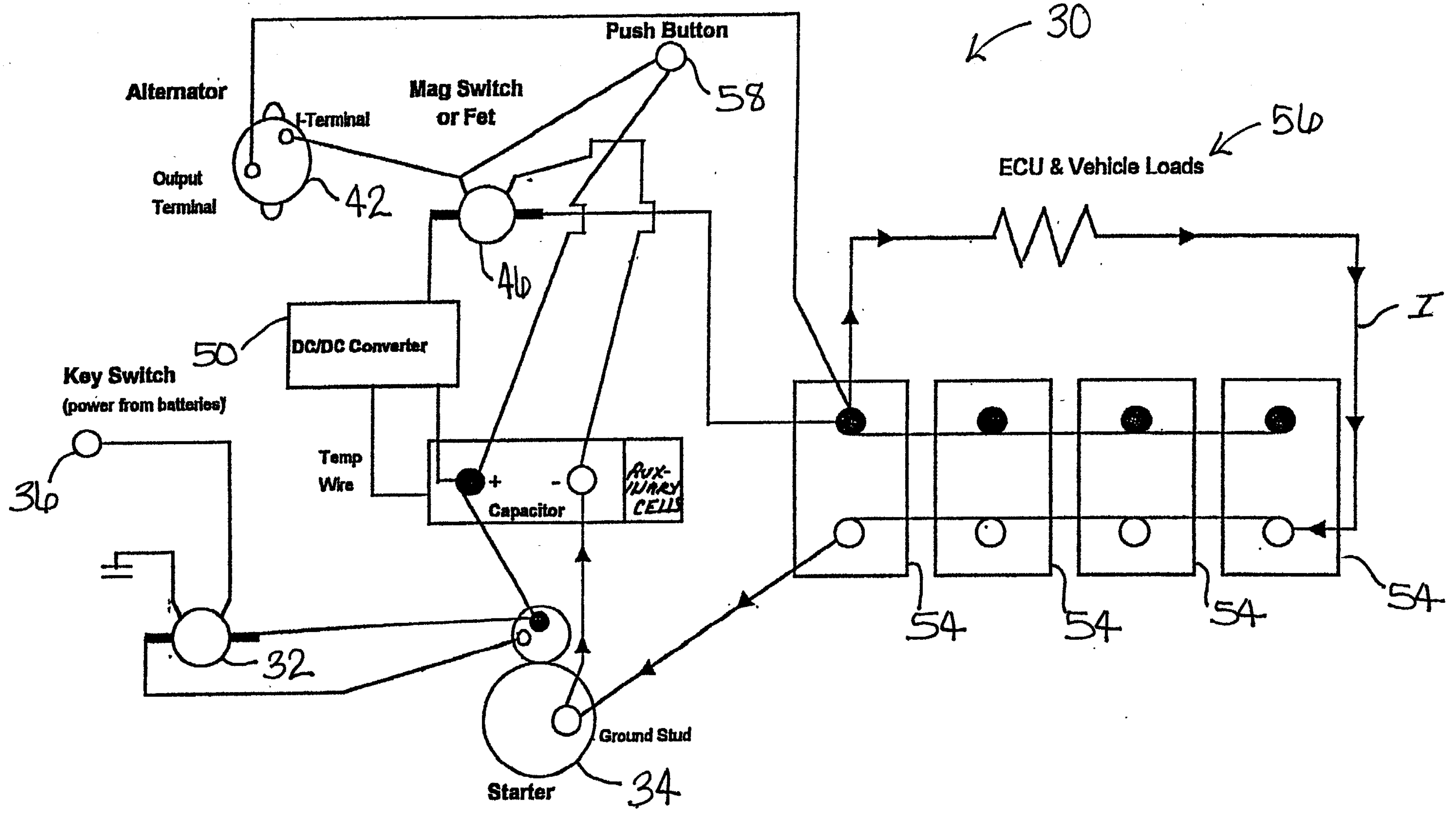
36
Temp
Wire
+
-
Capacitor
AUX-ILIARY CELLS
54
54
54
54
32
Ground Stud
Starter
34

Fig. 4.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Output
Terminal
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Mag Switch
or Fet
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ECU & Vehicle Loads
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50
DC/DC Converter
Key Switch
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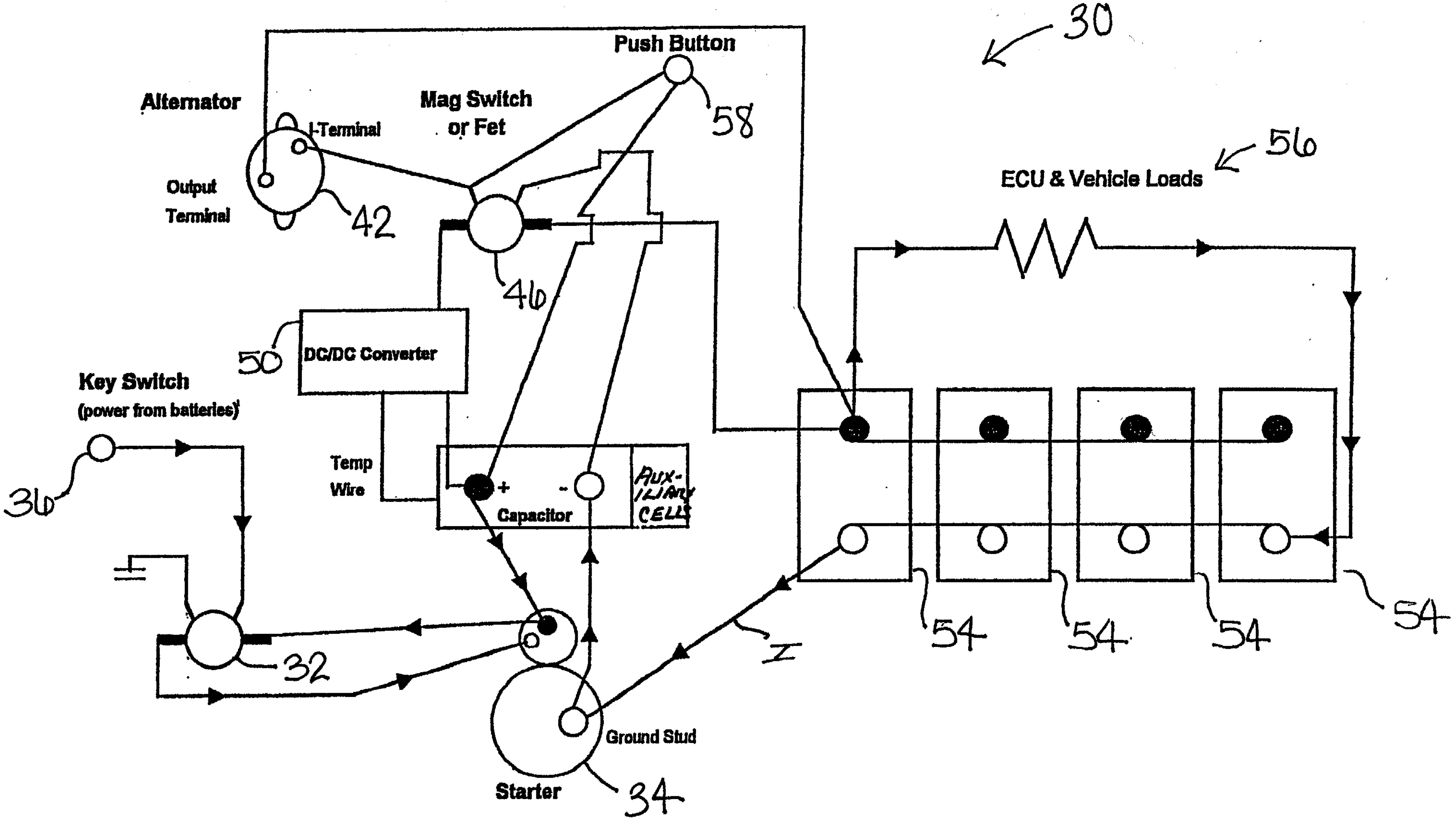
Wire
+
-
Capacitor
AUX-
ILIARY
CELLS
54
54
54
54
32
Ground Stud
Starter
34

Fig. 5.


30
Push Button
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Alternator
I-Terminal
Output
Terminal
42
Mag Switch
or Fet
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56
ECU & Vehicle Loads
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DC/DC Converter
Key Switch
(power from batteries)
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Temp
Wire
+
-
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ILIARY
CELLS
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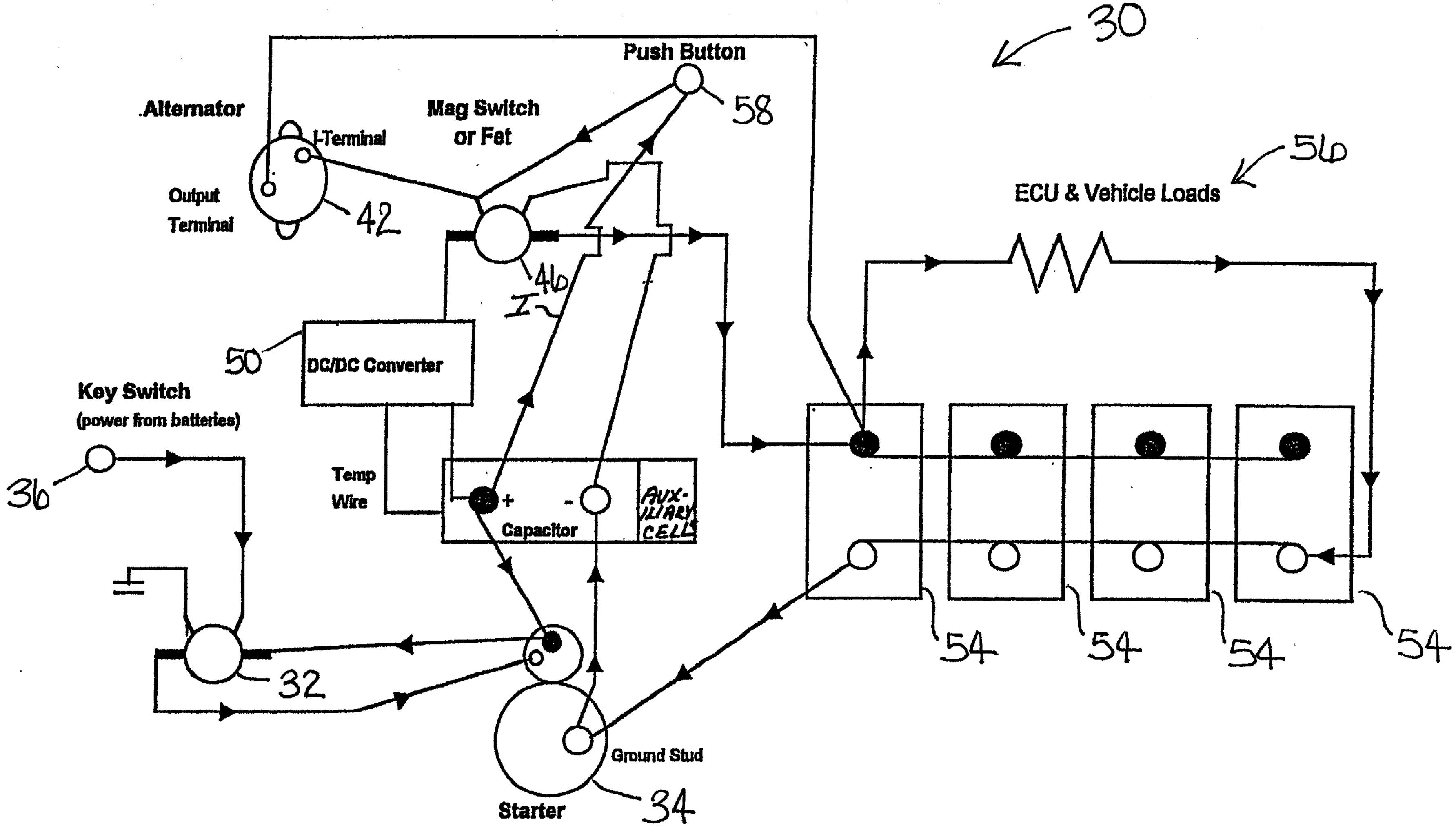
I
54
54
54
54
Ground Stud
Starter
34

Fig. 6


30
Push Button
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Mag Switch
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Fig. 7.